



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

CITY OF FORT WAYNE PER ADDENDUM #1, IN PART: Replacement of water mains in Anthony Wayne– Mt. Vernon Area STATE REVOLVING FUND PROJECT #: DW 06 11 02 01

DATE: June 12, 2009

TARGET PROJECT APPROVAL DATE: July 13, 2009

I. INTRODUCTION

The above entity has applied to the Drinking Water State Revolving Fund (DWSRF) Loan Program for a loan to finance all or part of the drinking water project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The DWSRF has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

**Max Henschen
Senior Environmental Manager
State Revolving Fund
100 N. Senate Ave. IGCN 1275
Indianapolis, IN 46204
317-232-8623; mhensche at ifa.in.gov**

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address:	City of Fort Wayne PER Addendum #1, in part Distribution System Improvements Anthony Wayne – Mt. Vernon Area One Main Street Fort Wayne, IN 46802
SRF Project Number:	DW 06 11 02 01
Authorized Representative:	Mr. Kumar Menon Director of Public Works and Utilities

II. PROJECT LOCATION

Fort Wayne is located in the north east part of the state in Allen County. The water main improvements will take place in the Anthony Wayne – Mt. Vernon area on the south side of the city, in the Fort Wayne East Quadrangle, T30N, R12E, Section 24 in Wayne Township and in T30N, R13E, Section 19 in Adams Township as shown on Figure 1.

III. PROJECT NEED AND PURPOSE

The project areas listed in Section IV below have aging cast iron water mains with a long history of water main breaks, as well as poor water quality and quantity issues. This project will assist in the elimination of these problems. These projects were added as an addendum to the Preliminary Engineering Report (PER) which the State Revolving Fund (SRF) Loan Program approved for funding on November 3, 2006.

IV. PROJECT DESCRIPTION

The project consists of the following improvements:

- A. Capitol/Maple Grove Avenue from Hessen Cassel Road to Werling Drive – 4,500 feet of 6-inch water main replacement;
- B. Devonshire Drive from Ashcroft Drive to Maple Grove Avenue – 1,530 feet of 6-inch water main replacement;

- C. Austin Drive from Schaper Drive to Andre lane – 1,250 feet of 6-inch water main replacement;
- D. Schaper Drive from Woodsdale Lane to Maple Grove Avenue – 2,429 feet of 6-inch water main replacement;
- E. Winters Street from Pettit Avenue to Capitol Avenue – 1,130 feet of 6-inch water main replacement;
- F. Reed Street from Pettit Avenue to McKinnie Avenue – 2,640 feet of 6-inch water main replacement;
- G. Holton Avenue from Capitol Avenue to Pettit Avenue – 1,130 feet of 6-inch water main replacement;
- H. Marcy Lane and Priscilla Lane between Werling Drive to McMillen Park Drive – 3,100 feet of 6-inch water main replacement;
- I. Capitol Avenue from Holton Avenue to Winter Street – 650 feet of 6-inch water main replacement;
- J. McMillen Park Drive from Schaper Drive to McKinnie Avenue – 1,525 feet of 6-inch water main replacement;
- K. Winston Drive from Schaper Drive to Andre Lane – 1,250 feet of 6-inch water main replacement;
- L. Woodsdale Lane from Maple Grove Avenue to Schaper Drive – 775 feet of 6-inch water main replacement;
- M. Marvin Drive from Austin Drive to Andre Lane - 900 feet of 6-inch water main replacement.

Approximately 23,346 feet of 6-inch water main will be replaced. All main replacements lie entirely within paved or grassy areas and will be installed using directional drilling, a trenchless technology. All existing water mains will be abandoned in place.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

Construction Costs:

Mobilization & Demobilization	\$ 85,000
23,346 feet of 6-inch water main	747,072
34 ea 6-inch gate valves with roadway box	37,400
Various 6-inch fittings	16,100
39 ea Fire Hydrants	117,000
Water Main Connections	40,000
3/4-inch water services with fill	548,636
Fire Hydrant Removal	16,500

Valve Box Removal	8,200
Test Risers and Blow-off Assemblies	11,500
Water Main Abandonment	11,250
Concrete Pavement Repair	22,000
Asphalt Pavement Repair	13,400
Stone Driveway Repair	325
Concrete Driveway Repair	15,750
Concrete Sidewalk Repair	6,125
Concrete Curb Repair	2,000
Concrete Curb Ramp Repair	7,150
Mulching and Seeding with Topsoil	34,878
Maintenance of Traffic	15,000
Audio/Visual Survey	5,000
Stormwater Control	5,000
Utility Relocation	18,000
Construction Subtotal	\$1,761,286
Contingency	86,714
	\$1,848,000
Non-Construction Costs	\$ 150,000
Total Estimated Project Costs	\$1,998,000

- B.** Fort Wayne will use funds from the loan balance in SRF Loan # DW 06 11 02 01 to pay for the water main replacement project.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

No Action: The no-action alternative for the water main replacement projects would require that the city continue to repair these water mains, which would be very expensive to continue, as well as an inconvenience to the customers. Therefore, this alternative was rejected.

Selected Plan: The proposed project will address problems in the distribution system reliability; the deteriorated mains will be replaced and new service lines to customers will be installed.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Undisturbed/Disturbed Land: The water main will be replaced using a directional drilling process in land previously disturbed by installation of the existing water mains. There will be minimal disturbance to existing pavement (which the mains lie under) and grassy areas (which the service lines lie under, partially).

Structural Resources (Figures 2 through 7): The proposed projects will not affect historic sites or districts. Audible, atmospheric or visual effects of the projects will be temporary. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

Wetlands, Surface Waters, 100-year Floodplain, Groundwater, National Natural Landmarks, Lake Michigan Coastal Management Zone: The proposed projects will not adversely affect these resources.

Plants and Animals: The proposed projects will not affect endangered plants or animals. Some minor trees and shrubs may be removed for the installation of the Acme water main project.

Prime Farmland: The proposed projects will not convert prime/unique farmland.

Air Quality: Temporary air quality impacts will include vehicle exhaust and dust.

Open Space and Recreational Opportunities: The proposed projects will neither create nor destroy open space and recreational opportunities

B. Indirect Impacts

The city's PER Addendum #1 states: "The City will ensure, through the authority of its Board and local zoning laws, that future development will not adversely impact environmentally sensitive areas by enforcing the requirements and guidelines of the IDNR, U.S. Fish & Wildlife Service, IDEM and the Allen County Drainage Board."

C. Comments from Environmental Review Authorities

This Environmental Assessment serves as the first notice to the U.S. Fish and Wildlife Service, the IDNR Environmental Unit and the IDNR Division of Historic Preservation and Archaeology. The Natural Resources Conservation Service, in correspondence dated October 15, 2008, stated that the project "will not cause a conversion of prime farmland."

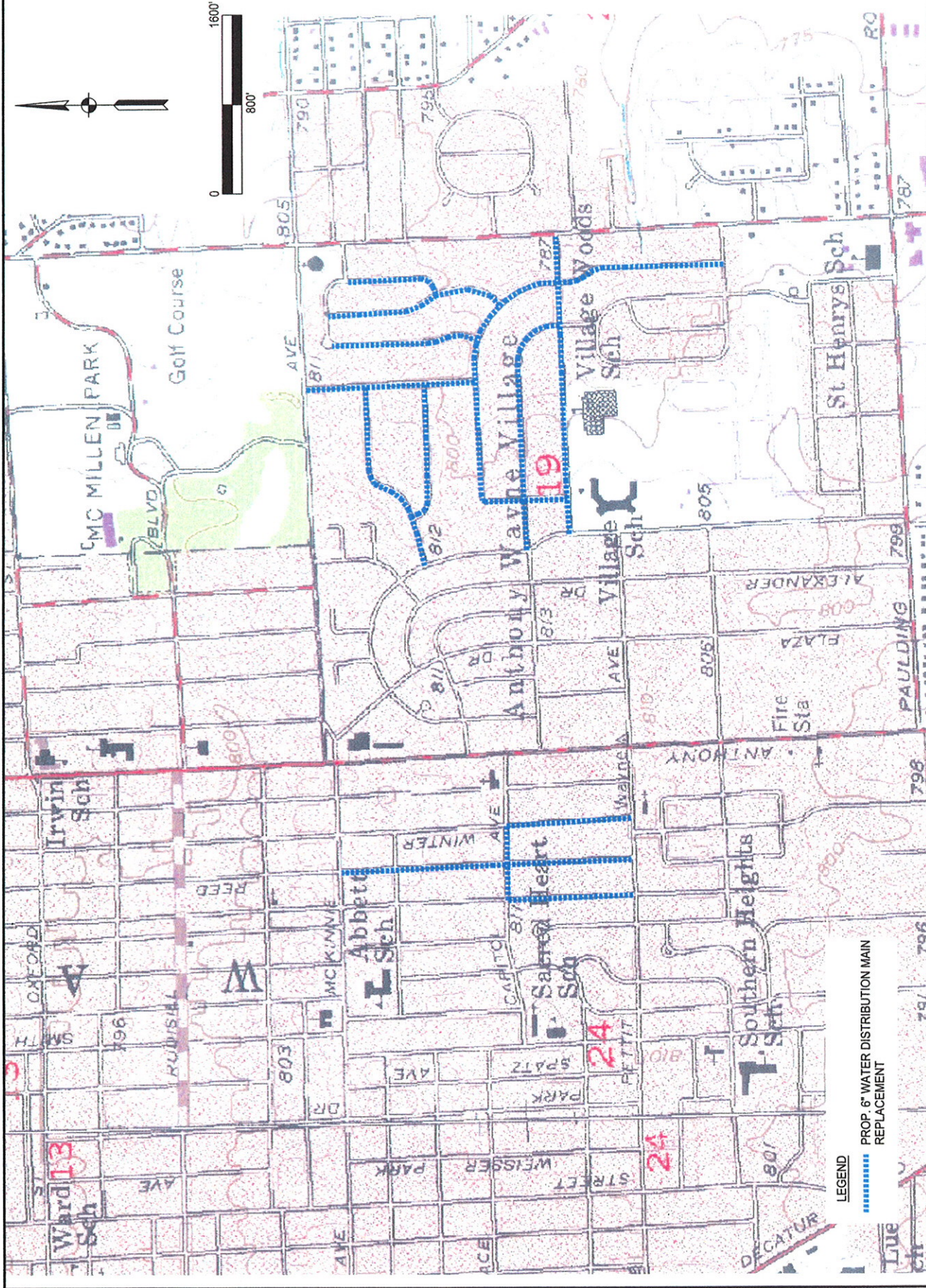
VIII. MITIGATION MEASURES

The city's PER states: The project will be designed and implemented to minimize soil erosion and mitigation measures cited in comment letters from governing agencies will be implemented. Mitigation measures cited in comment letters from the Indiana Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

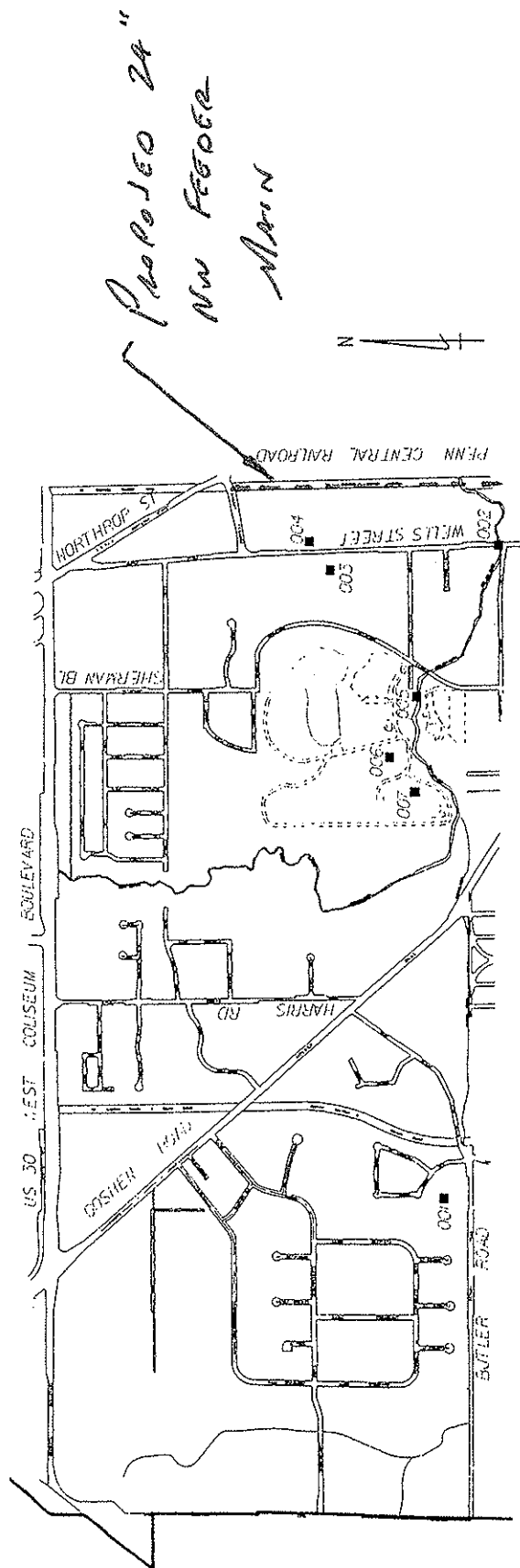
IX. PUBLIC PARTICIPATION

A properly noticed Public Hearing was held on November 5, 2008 at 10:00 a.m. in the Omni Room of the City-County Building in Fort Wayne. No members of the public attended. There were no objections to the projects at the public hearing. There were no written comments received by the utility during the 5-day comment period following the public hearing.

FIGURE 1



Sector 08 (003-215-08001/08007)

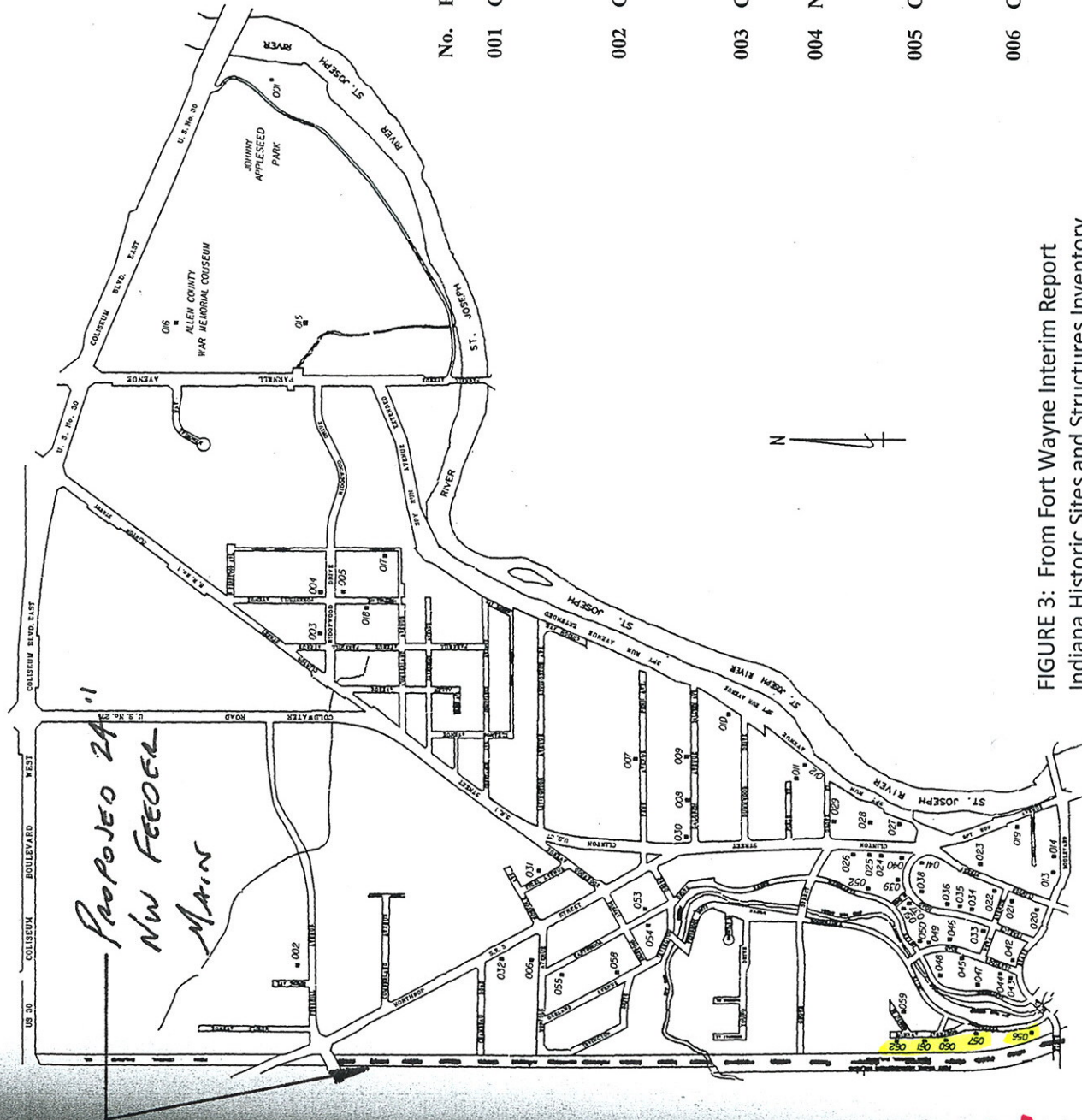


No.	Rtg.	Description			
001	N	House, 2716 Butler Rd.; Colonial Revival, c.1940; Architecture			
002	O	Wells Street Bridge (#542) over Spy Run Creek, 3000 Wells St.; Melan truss reinforced concrete arch bridge, 1914 (O.B. Wiley, engineer; Burk Construction Co., New Castle, IN, builders); Engineering, Transportation	006	C	Franke Park Public Restrooms, Franke Park Drive; Tudor Revival, c.1938; Architecture, Entertainment/recreation
003	O	House, 3325 Wells St.; American Foursquare/Queen Anne/Romanesque influence, vernacular stone construction, c.1908; Architecture, Vernacular/Construction	007	C	Franke Park Pavilion #2, Franke Park Drive; Functional park structure, c.1950; Entertainment/recreation
004	C	House, 3522 Wells St.; Italianate/Gable front, c.1880/c.1980; Architecture, Vernacular/Construction			
005	C	Franke Park Bridge over Spy Run Creek, Franke Park Drive near Sherman Blvd.; Park Rustic/Reinforced concrete deck bridge, 1947; Engineering, Entertainment/recreation			



08001

FIGURE 2: From Fort Wayne Interim Report
Indiana Historic Sites and Structures Inventory



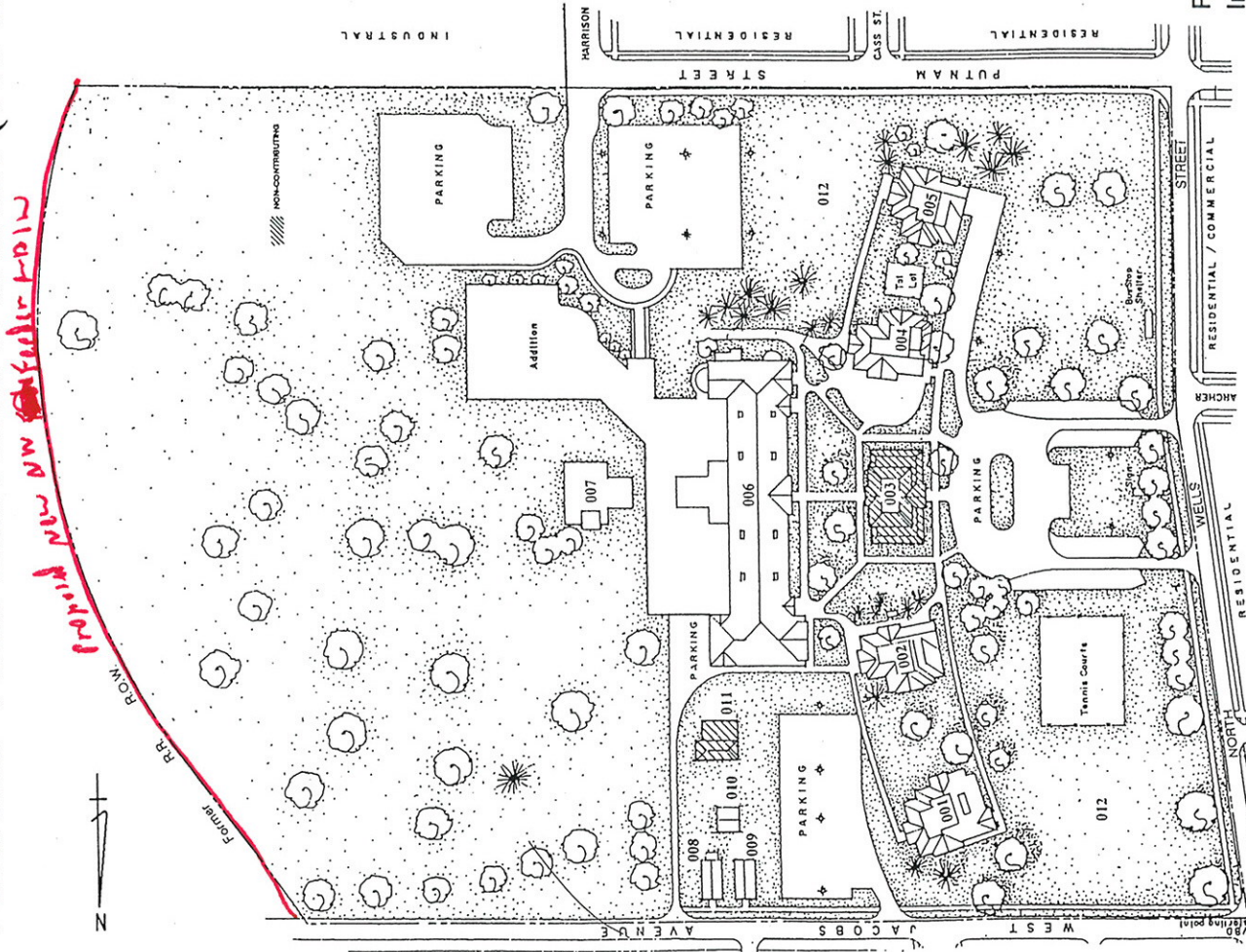
No.	Rtg.	Description
001	C	Vietnam War Memorial, 3900 Harry W. Baals Dr.; Military Tank, c.1955; War Memorial, 1968; Military, Social history (214)
002	C	House, 205 Fernhill Ave.; Vernacular Craftsman/Tudor Revival, c.1930; Architecture, Vernacular/Construction (215)
003	C	House, 611 Ridgewood Dr.; Craftsman Bungalow, c.1930; Architecture (215)
004	N	Wayne Schlosser House, 705 Ridgewood Dr.; American Foursquare/Craftsman, c.1927; Architecture (215)
005	C	Carl Bassett House, 706 Ridgewood Dr.; Craftsman Bungalow, c.1927; Architecture (215)
006	C	House, 215 Norfolk Ave.; Gabled-T/Craftsman, c.1890/c.1930; Architecture, Vernacular/Construction (215)

FIGURE 3: From Fort Wayne Interim Report
Indiana Historic Sites and Structures Inventory

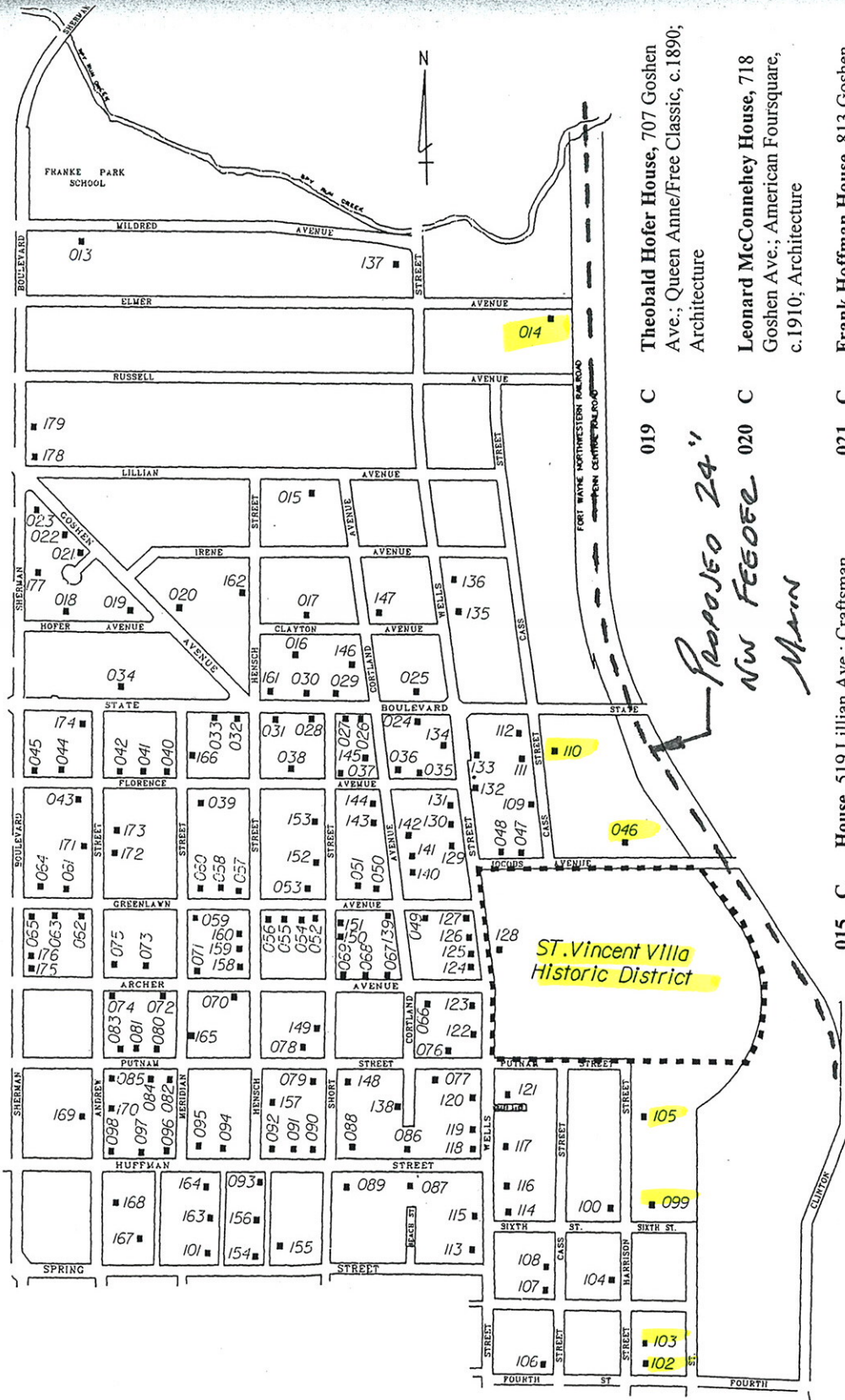
St. Vincent Villa Historic District (003-215-15001/15012)

St. Vincent's Orphan Asylum opened in 1886 under the care of the Poor Handmaidens of Jesus Christ as a facility for young girls. Boys were not accepted at the site until 1932 when the first of the present buildings, (two residential "cottages", the main building housing classrooms, the auditorium/gymnasium and chapel, and the boiler house/laundry) were constructed on the site. When the original 1886 building was destroyed by fire in 1950, the final three buildings planned in the 1930s, (two additional cottages and an administration building) were constructed.

56



Sector 15 (003-215-15013/15179)



No. Rtg. Description

013 C Otto Walker House, 811 Mildred Ave.; Craftsman cottage, c.1925; Architecture

014 C House, 209 Elmer Ave.; Tudor Bungalow, c.1928; Architecture, Vernacular/Construction

015 C House, 519 Lillian Ave.; Craftsman Bungalow, c.1928; Architecture

016 C House, 523 Clayton Ave.; Craftsman Bungalow, c.1927; Architecture

017 C Arthur Bottoms House, 534 Clayton Ave.; Craftsman Bungalow, c.1920; Architecture

018 C House, 816 Hofer Ave.; Colonial Rev./Cape Cod, c.1940; Architecture

019 C Theobald Hofer House, 707 Goshen Ave.; Queen Anne/Free Classic, c.1890; Architecture

020 C Leonard McConnehey House, 718 Goshen Ave.; American Foursquare, c.1910; Architecture

021 C Frank Hoffman House, 813 Goshen Ave.; Craftsman cottage, c.1925; Architecture

022 C House, 823 Goshen Ave.; Craftsman cottage, c.1928; Architecture

023 C Lincoln Highway Service Station (Indian Oil Filling Station), 843 Goshen Ave.; Tudor Revival, c.1927; Architecture, Commerce, Transportation

FIGURE 5: From Fort Wayne Interim Report Indiana Historic Sites and Structures Inventory

noted for 08

Sector 16 (003-215-16009/16085)

No.	Rtg.	Description
009	C	Home Telephone & Telegraph Co.- Office, Warehouse, and Garage, 140 Jacobs Ave. (a.k.a. 2101-2107 N. Clinton); Craftsman, 1927; Architecture, Commerce, Communications
010	N	Elizabeth Street Bridge, Elizabeth St. at Spy Run Creek; Pratt pony truss, c.1895; Engineering, Transportation (Demolished)
011	N	House, 404 Elizabeth St.; Greek Revival, c.1865; Architecture
012	C	House, 414 Elizabeth St.; Greek Revival, c.1865; Architecture
013	C	House, 462 Elizabeth St.; Queen Anne/Gabled Ell cottage, c.1890; Architecture, Vernacular/Construction
014	C	House, 416 Nussbaum Ave.; Gabled Ell, c.1900; Vernacular/Construction
015	O	Wells House, 450 Nussbaum Ave.; One-and-a-half New England cottage/Saltbox, c.1860; Vernacular/Construction
016	C	House, 453 Nussbaum Ave.; Cross Gable/Colonial Revival, c.1900; Architecture, Vernacular/Construction
017	C	House, 521 Lawton Place; Queen Anne/Shingle Style, c.1905; Architecture
018	N	House, 604 Lawton Place; Gabled Ell cottage/Queen Anne, c.1890; Architecture, Vernacular/Construction
019	C	House, 620 Lawton Place; Dutch Colonial Revival, c.1915; Architecture

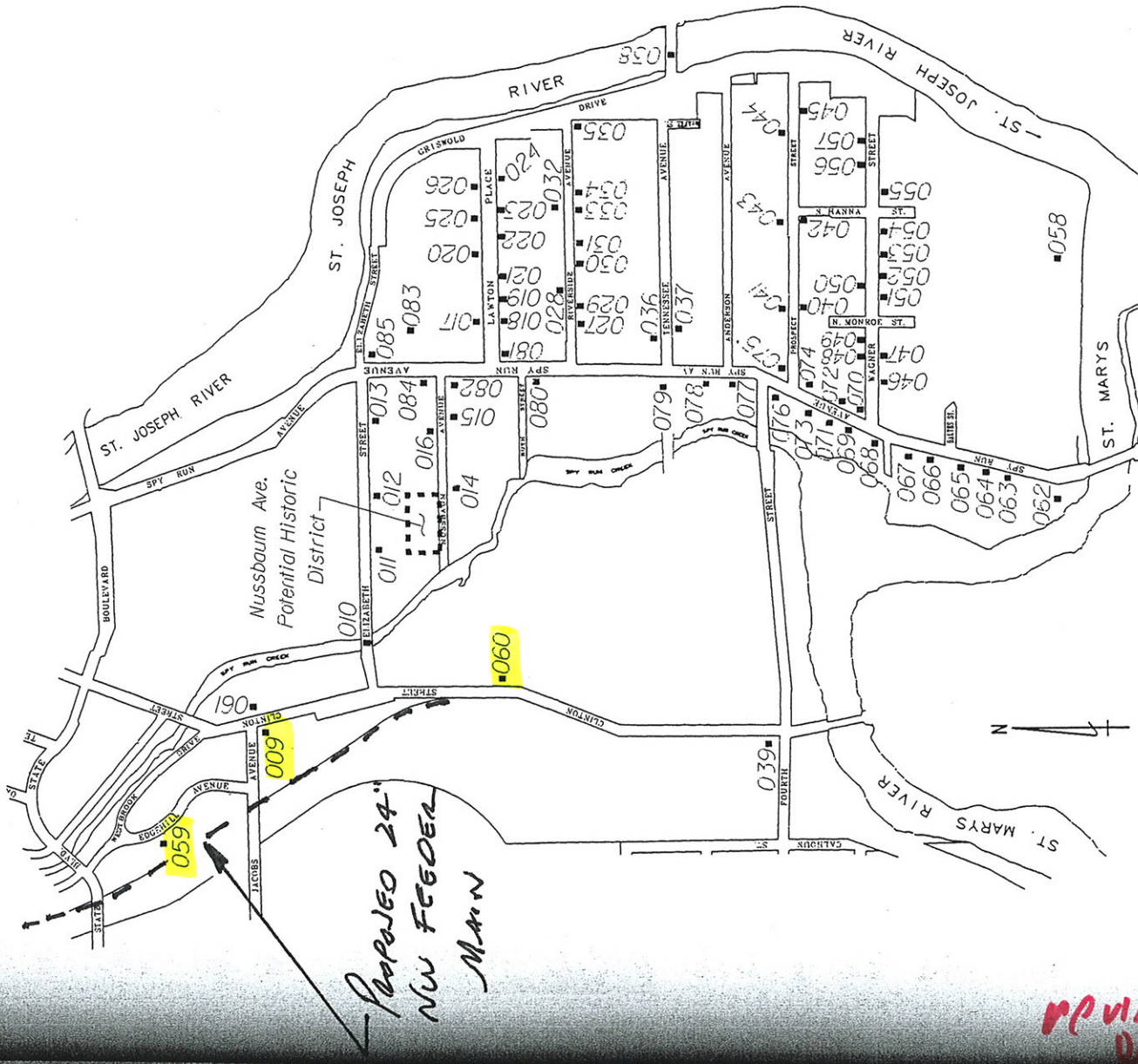
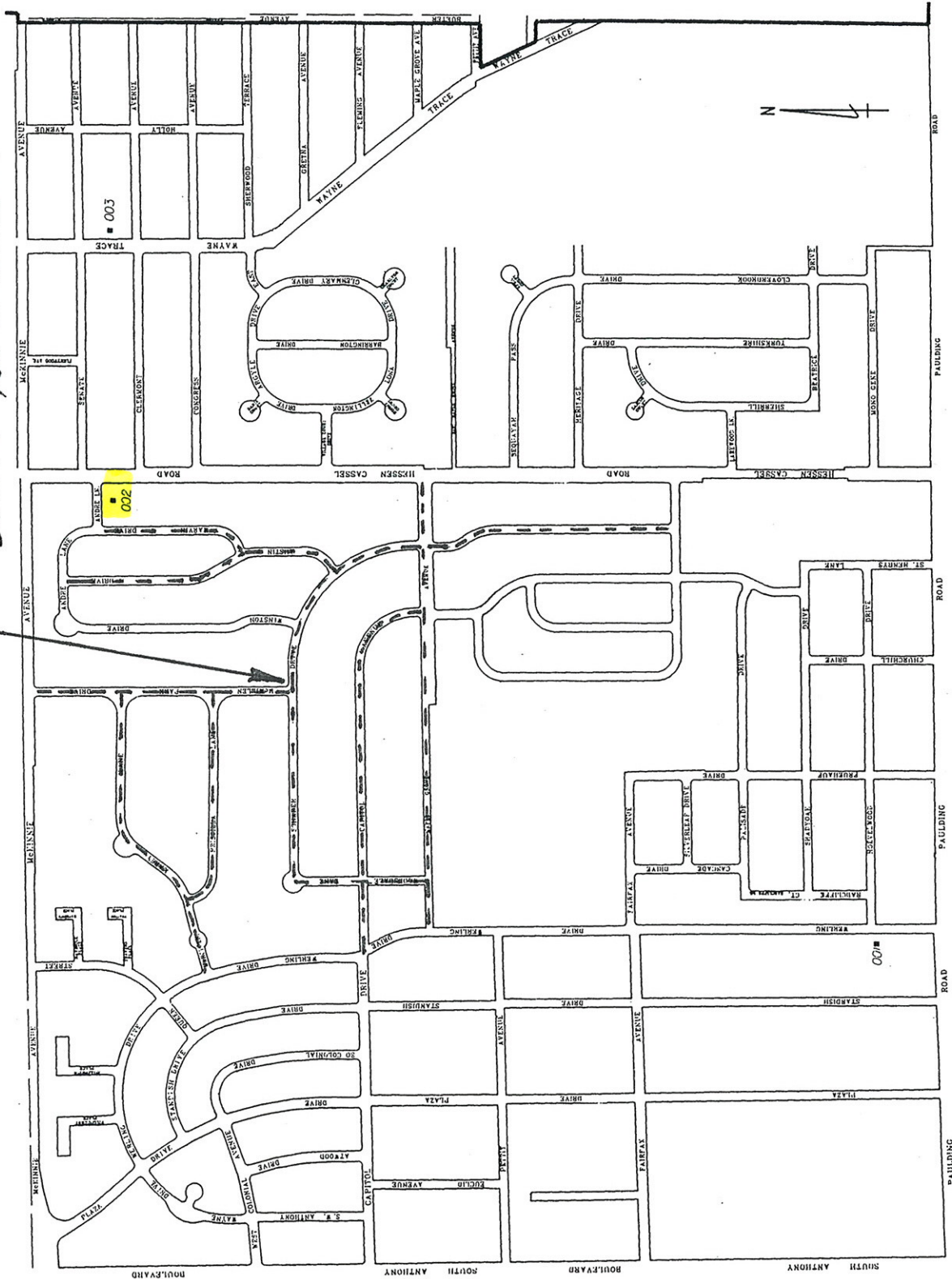


FIGURE 6: From Fort Wayne Interim Report
Indiana Historic Sites and Structures Inventory

Sector 53 (003-214-53001/53003)

Proposed 6" Water
Main Replacement



No. Rtg.	Description	002 C	003 C
001 C	House, 5630 Werling Dr.; Cape Cod, c.1950; Architecture	House, 4309 Hessen Cassel Rd.; Gabled Eil, c.1890; Vernacular/Construction	House, 4331 Wayne Trace; Greek Revival/Italianate, c.1855/c.1940; Architecture, Vernacular/Construction

FIGURE 7: From Fort Wayne Interim Report
Indiana Historic Sites and Structures Inventory

revised Rev 08